

University of Groningen

Responses of *Staphylococcus aureus* to mechanical and chemical stresses

Carniello, Vera

IMPORTANT NOTE: You are advised to consult the publisher's version (publisher's PDF) if you wish to cite from it. Please check the document version below.

Document Version

Publisher's PDF, also known as Version of record

Publication date:

2018

[Link to publication in University of Groningen/UMCG research database](#)

Citation for published version (APA):

Carniello, V. (2018). *Responses of Staphylococcus aureus to mechanical and chemical stresses*. [Thesis fully internal (DIV), University of Groningen]. Rijksuniversiteit Groningen.

Copyright

Other than for strictly personal use, it is not permitted to download or to forward/distribute the text or part of it without the consent of the author(s) and/or copyright holder(s), unless the work is under an open content license (like Creative Commons).

The publication may also be distributed here under the terms of Article 25fa of the Dutch Copyright Act, indicated by the "Taverne" license. More information can be found on the University of Groningen website: <https://www.rug.nl/library/open-access/self-archiving-pure/taverne-amendment>.

Take-down policy

If you believe that this document breaches copyright please contact us providing details, and we will remove access to the work immediately and investigate your claim.

Downloaded from the University of Groningen/UMCG research database (Pure): <http://www.rug.nl/research/portal>. For technical reasons the number of authors shown on this cover page is limited to 10 maximum.

ABBREVIATIONS

AFM	atomic force microscopy
ANOVA	analysis of variance
AUC	area under the curve
CLSM	confocal laser scanning microscopy
CFU	colony forming units
COF	coefficient of friction
DLVO	Derjaguin–Landau–Verwey–Overbeek
DMT	Derjaguin–Muller–Toporov
eDNA	extracellular DNA
EPS	extracellular polymeric substances
FLBA	fluorescence lectin-binding analysis
FTIR	Fourier transform infrared spectroscopy
GEN	gentamicin
GFP	green fluorescent protein
LLCT	low load compression testing
MATH	microbial adhesion to hydrocarbons
MBC	minimal bactericidal concentration
MIC	minimal inhibitory concentration
MscL	mechanosensitive channel of large conductance
MscS	mechanosensitive channel of small conductance
NsaRS	nisin associated sensitivity response regulator
OCT	optical coherence tomography
OXA	oxacillin
PBS	phosphate buffered saline
PE	polyethylene
PNAG	poly-N-acetylglucosamine
PPFC	parallel plate flow chamber
QCM-D	quartz crystal microbalance with dissipation
QNM	quantitative nanomechanical mapping
RIF	rifampicin
RT-qPCR	quantitative reverse transcription PCR
SEF	surface enhanced fluorescence
SEM	scanning electron microscopy
SL	Smoluchowski–Levich
SS	stainless steel
TFE	total fluorescence enhancement
TSB	tryptone soya broth
VAN	vancomycin

